Fig. 1

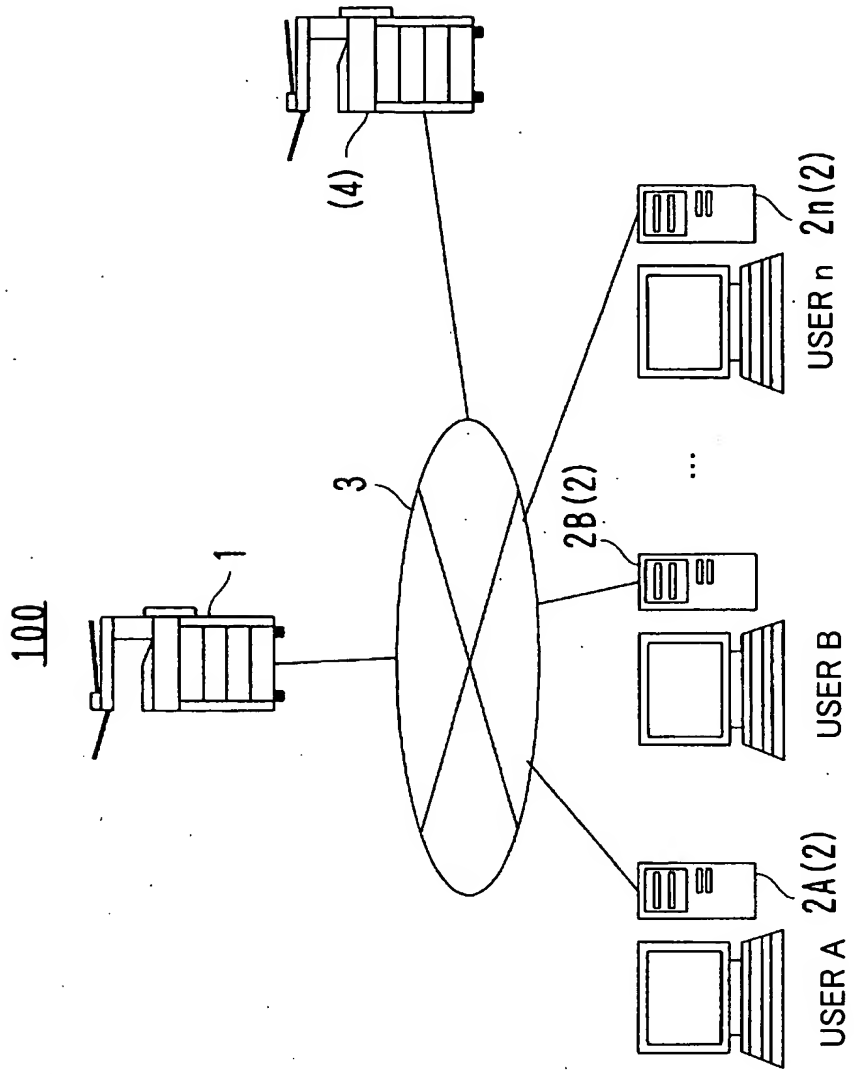

100
1
3
(4)
2n(2)
USER n
2B(2)
USER B
2A(2)
USER A

Fig. 2

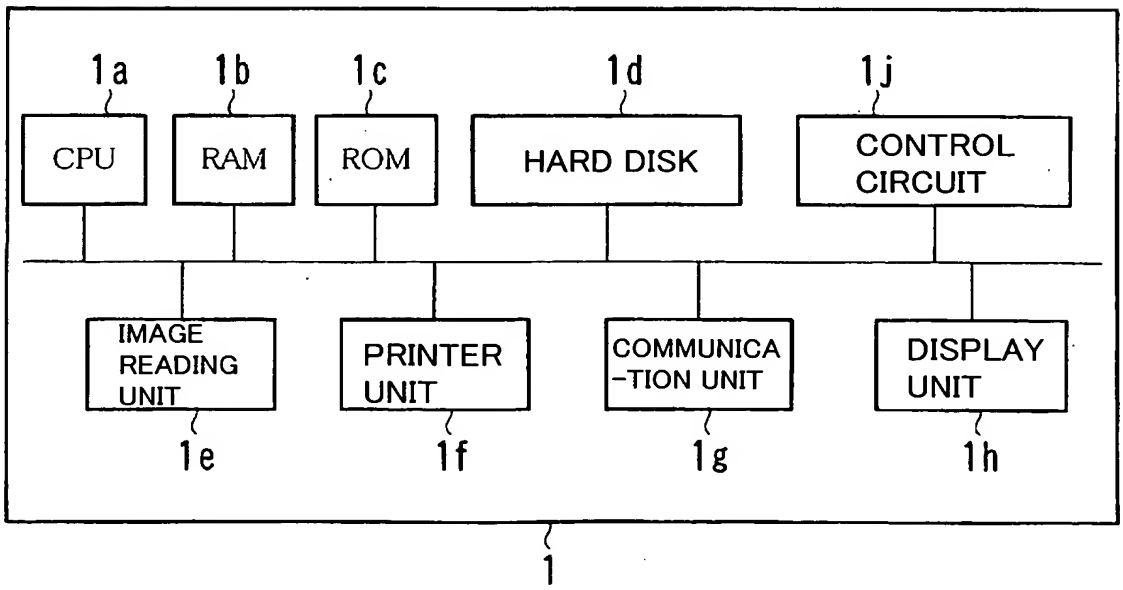

1a
1b
1c
1d
1j
CPU
RAM
ROM
HARD DISK
CONTROL CIRCUIT
IMAGE READING UNIT
PRINTER UNIT
COMMUNICA-TION UNIT
DISPLAY UNIT
1e
1f
1g
1h
1

Fig. 3

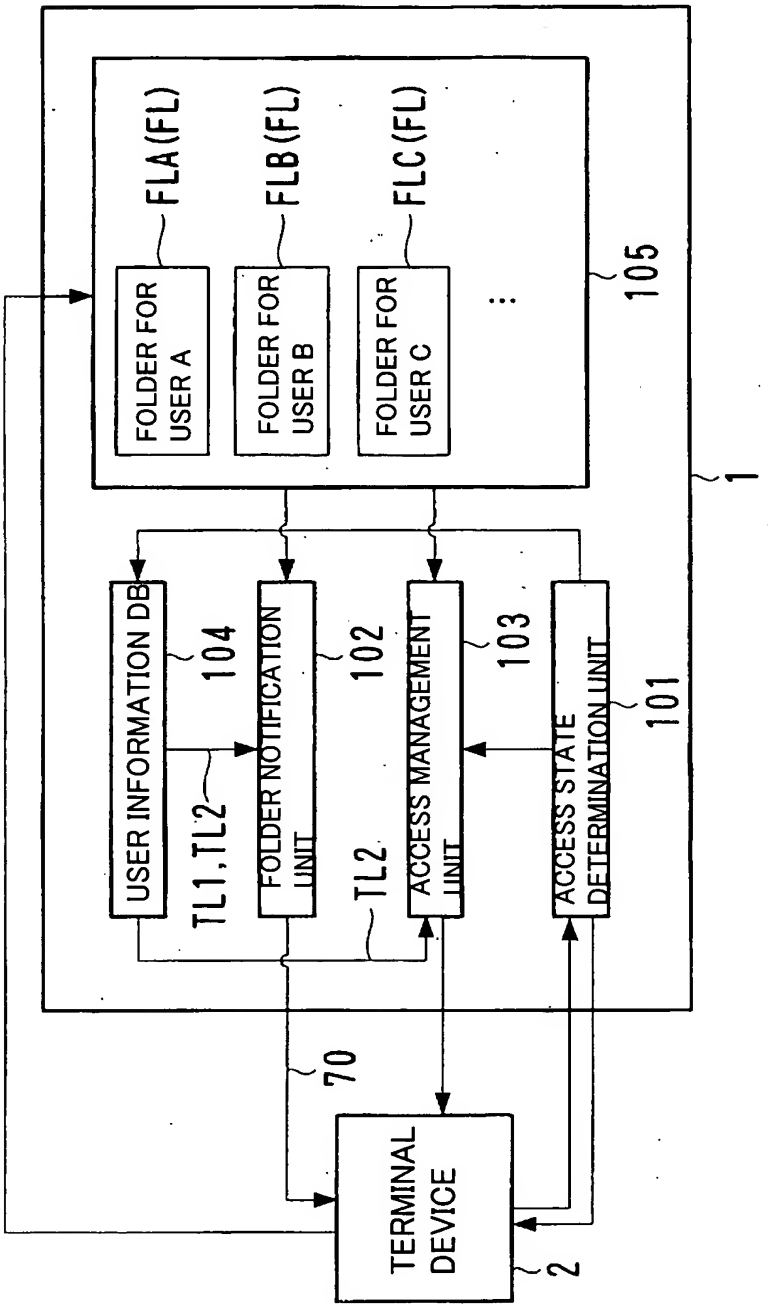

FLA(FL)
FLB(FL)
FLC(FL)
FOLDER FOR USER A
FOLDER FOR USER B
FOLDER FOR USER C
105
1
USER INFORMATION DB
104
FOLDER NOTIFICATION UNIT
102
ACCESS MANAGEMENT UNIT
103
ACCESS STATE DETERMINATION UNIT
101
TL1, TL2
TL2
70
TERMINAL DEVICE
2

**Fig. 4**

IL1

| USER NAME | ID INFORMATION | ACCESS FLAG |
|---|---|---|
| USER A | 192.168.0.11 | 0 |
| USER B | 192.168.0.12 | 1 |
| USER C | 192.168.0.13 | 1 |
| USER D | 192.168.0.14 | 1 |
| USER E | 192.168.0.15 | 1 |
| ⋮ | ⋮ | ⋮ |

41 42 4F

**Fig. 5**

IL2

| FOLDER NAME | USER NAME | ACCESS PERMISSION INFORMATION |
|---|---|---|
| FOLDER FLA | USER A | ALL USERS |
| FOLDER FLB | USER B | ALL USERS |
| FOLDER FLC | USER C | USERS A, C, D, E |
| FOLDER FLD | USER D | USERS A, B, D |
| FOLDER FLE | USER E | ALL USERS |
| ⋮ | ⋮ | ⋮ |

51 52 5R

Fig. 6(a)

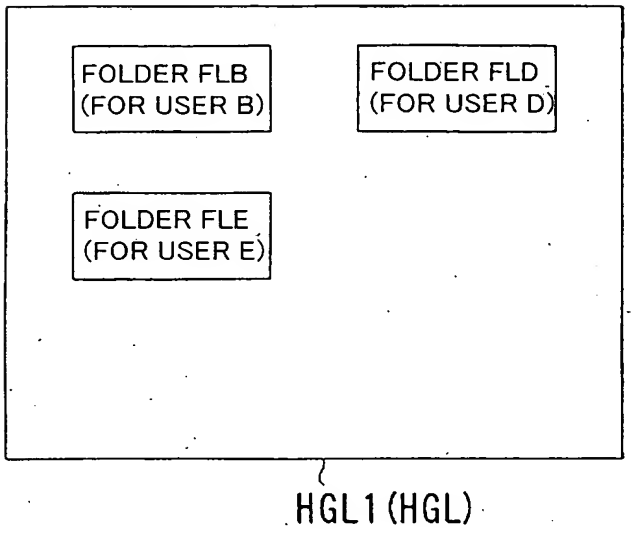
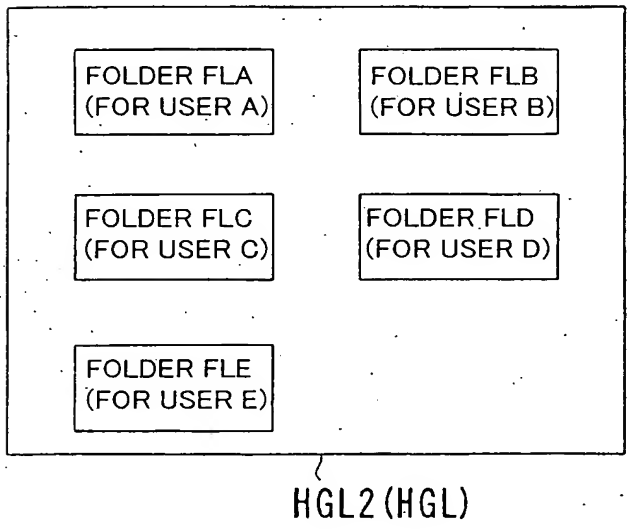
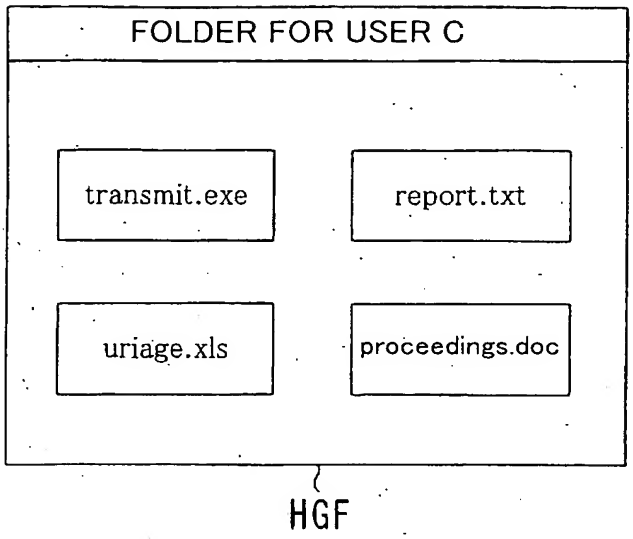

FOLDER FLB
(FOR USER B)
FOLDER FLD
(FOR USER D)
FOLDER FLE
(FOR USER E)
HGL1 (HGL)

Fig. 6(b)


FOLDER FLA
(FOR USER A)
FOLDER FLB
(FOR USER B)
FOLDER FLC
(FOR USER C)
FOLDER FLD
(FOR USER D)
FOLDER FLE
(FOR USER E)
HGL2 (HGL)

# Fig. 7


FOLDER FOR USER C
transmit.exe
report.txt
uriage.xls
proceedings.doc
HGF

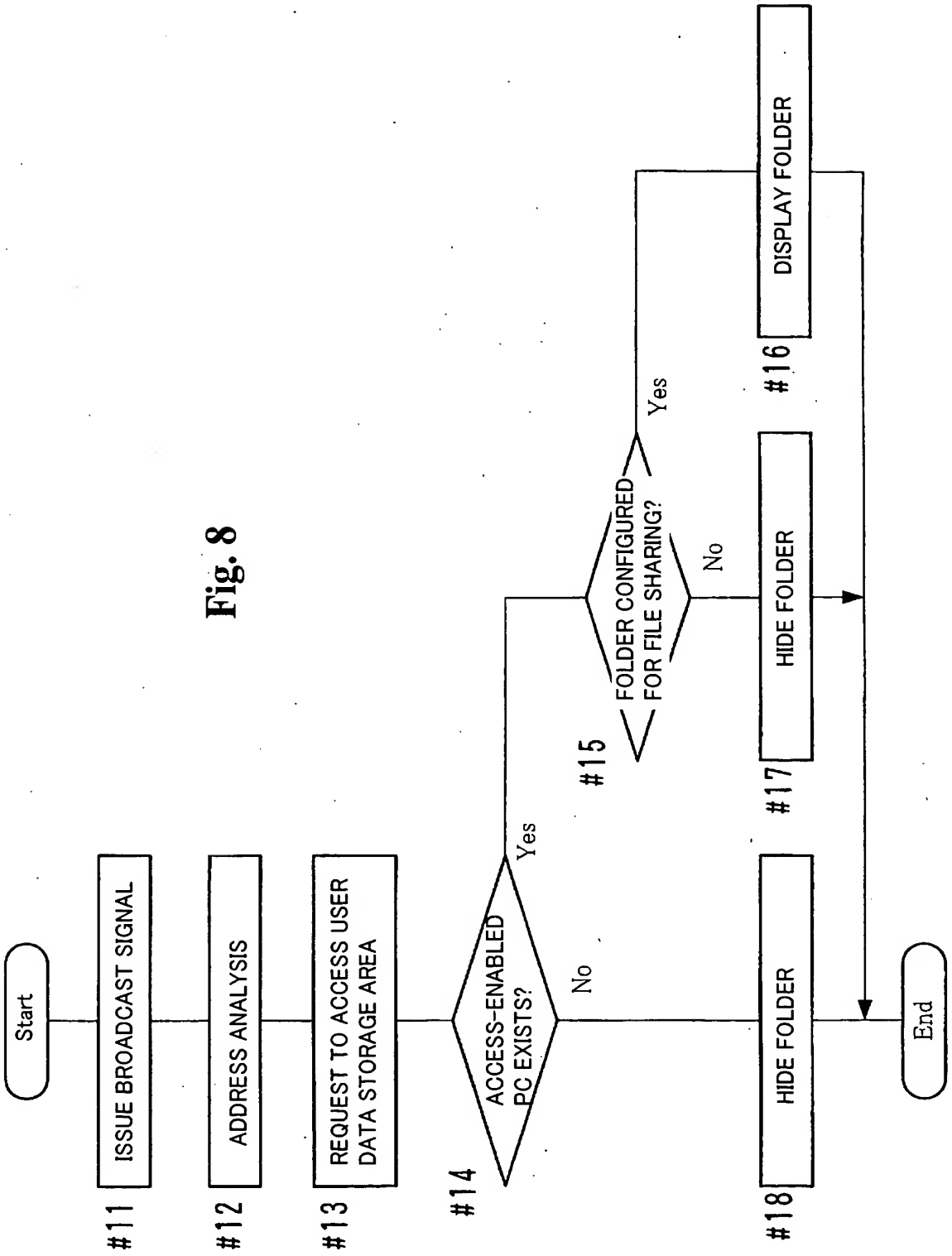
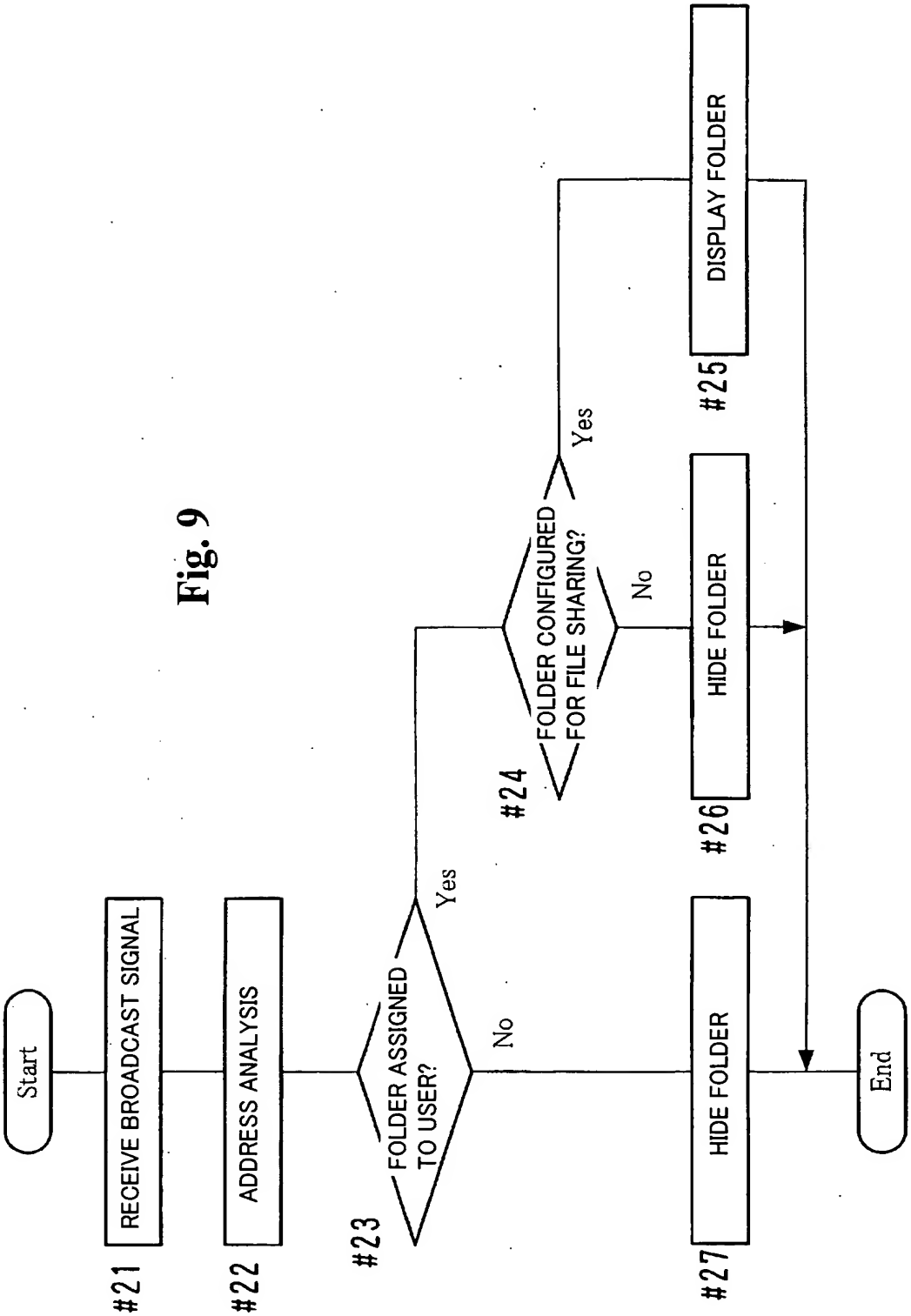

Start
ISSUE BROADCAST SIGNAL
#11
ADDRESS ANALYSIS
#12
REQUEST TO ACCESS USER DATA STORAGE AREA
#13
ACCESS-ENABLED PC EXISTS?
#14
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#15
Yes
No
DISPLAY FOLDER
#16
HIDE FOLDER
#17
HIDE FOLDER
#18
End

Fig. 8

Fig. 9


Start
RECEIVE BROADCAST SIGNAL
#21
ADDRESS ANALYSIS
#22
FOLDER ASSIGNED TO USER?
#23
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#24
Yes
No
DISPLAY FOLDER
#25
HIDE FOLDER
#26
HIDE FOLDER
#27
End

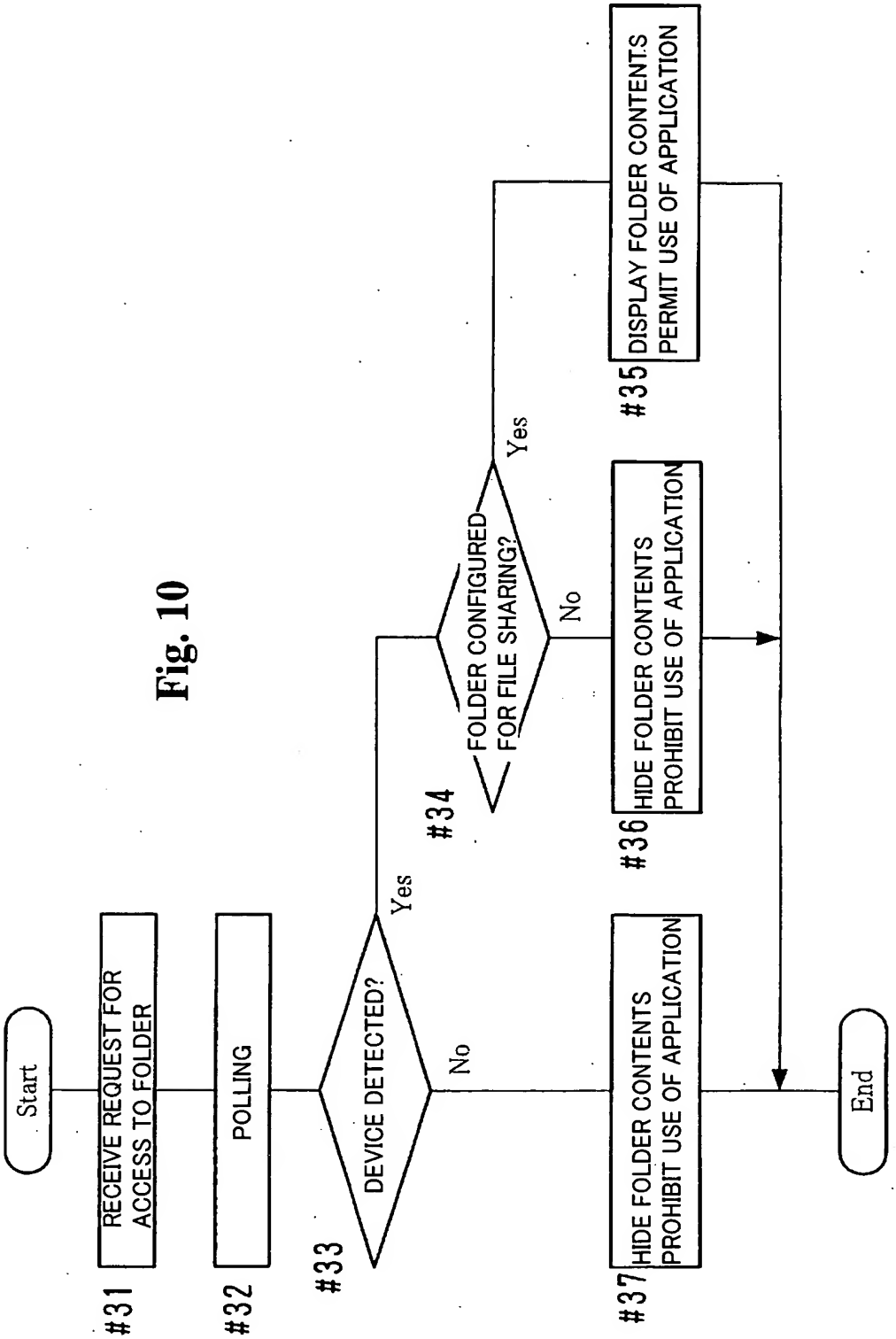

Start
RECEIVE REQUEST FOR ACCESS TO FOLDER
#31
POLLING
#32
DEVICE DETECTED?
#33
Yes
No
FOLDER CONFIGURED FOR FILE SHARING?
#34
Yes
No
DISPLAY FOLDER CONTENTS PERMIT USE OF APPLICATION
#35
HIDE FOLDER CONTENTS PROHIBIT USE OF APPLICATION
#36
HIDE FOLDER CONTENTS PROHIBIT USE OF APPLICATION
#37
End

Fig. 10